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(71) Applicant (for all designated States except US): CREDI-PASS CO.,LTD. [KR/KR]; 439-10, Seongnae 3-dong, Gangdong-gu, Seoul 134-846 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KIM, Ji-Tae

[KR/KR]; 226-402, Jungok APT, 174-1 Dunchon 1-dong, Gangdong-gu, Seoul 134-772 (KR). **JEONG, Dong-Seok** [KR/KR]; 202-701, Hundae 2 APT, 221-3 Yonghyeon-dong, Uijeongbu-si, Gyeonggi-do 480-760 (KR).

(74) Agent: SO, Jin-Ho; Sunjin Patent & Law office, Room 401, Jeil Bldg, 823-41, Yeoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

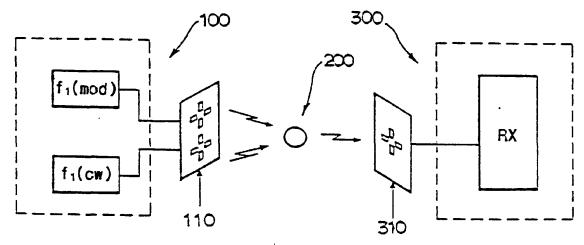
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(54) Title: PASSIVE TRANSPONDER IDENTIFICATION SYSTEM AND CREDIT-CARD TYPE TRANSPONDER



(57) Abstract: A passive transponder identification system and credit card type transponder are disclosed, particularly, the transponder identification system to utilize a transmitting manner of two different RF signals is provided. The present invention directly relates to a passive transponder without any kind of power source. Therefore, the present invention has advantages of having a constant gain value by developing a high-gain dual polarizing antenna for a small credit card type passive transponder to identify at long distance, independently to any direction of the transponder; improving gain values than conventional transponder tag antenna by 6-9dB to ensure a sub-permanent life time by providing the desired identification performance by means of a small credit card type passive transponder without power supply; and being applicable to any systems to identify and distinguish high-speed moving objects.

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